

ADVANCED FIRST AID

PHOTO ID REQUIRED

Article 3 of the Coal Mine Safety Laws of Virginia establishes requirements for certification of coal mine workers. The certification requirements are included in §45.1-161.24 through §45.1-161.41 in which the Board of Coal Mining Examiners is established for the purpose of administering the certification program. The Board has promulgated certification regulations 4 VAC 25-20, which set the minimum standards and procedures required for Virginia coal miner examinations and certifications.

CERTIFICATION CLASSIFICATION: *Advanced First Aid*

This certification authorizes the holder to meet standards for emergency care in the coal mining industry required by §45.1-161.199.

APPLICATION/EXPERIENCE REQUIREMENTS:

- Application (BCME-1) and \$40.00 fee 5 working days prior to examination
 - **Note:** Classes are limited to 20 people and tend to fill quickly. Application fees are due no later than 5 working days prior to the examination, but this will not guarantee that an opening will be available.
- 24 hour Advanced First Aid course taught by an Advanced First Aid Instructor (**class must be completed and paperwork submitted prior to taking an exam**)
- Hold a General Miner Certification - Surface or Underground

NOTE: TRANSFER OF EMT/FIRST RESPONDER CERTIFICATION TO ADVANCED FIRST AID MAY BE ACCOMPLISHED BY:

- Application (BCME-1) and \$40.00 fee 5 working days prior to examination
- Provide verification of valid EMT/First Responder certification issued by EMS-VA
- Attend 8 hours Advanced First Aid Reciprocity Training Course conducted by a DM certified Advanced First Aid Instructor
- Hold a General Miner Certification - Surface or Underground

EXAMINATION REQUIREMENTS: The examination for certification in Advanced First Aid requires a passing score of 80% on the written sections of the examination.

NOTE: If exam is taken three (3) times without a passing score or if certification is revoked due to not completing the continuing education requirements, the applicant must retake the 24 hour Advanced First Aid course.

ELEMENTS OF EXAM

NUMBER OF QUESTIONS

Section 1 (F1)

20

- Respiratory Emergencies, Respiratory System and Heart Attacks
- Legal Considerations, Disease Transmission and Emergency Scenes
- Resuscitation Masks/ORO Airways, Wounds and Burns

Section 2 (F2)

20

Circulatory System

- Control of Bleeding – Recognition and Treatment (External and Internal)
- Shock – Recognition and Treatment

Section 3 (F3)

20

Musculoskeletal System

- Abdominal Injuries
- Chest Injuries
- Dislocations
- Face & Throat Injuries
- Fractures
- Head Injuries
- Lower & Upper Extremities Injuries
- Pelvic Injuries
- Spinal Injuries
- Sprains
- Transporting Patients

Section 4 (F4)

20

Accidental Poisonings**Substance Abuse****Patient Assessment****Environmental Emergencies**

- Cold and Heat Emergencies
- Stings & Bites

Emergency Rescue

- Electrical Circuits
- Hazardous Materials
- Irrespirable Atmosphere
- Machinery Entrapment
- Roof & Rib Entrapment

Sudden Illness

- Diabetes – Hypoglycemia and Hyperglycemia
- Epilepsy and Seizures
- Stroke (F.A.S.T) – Recognition and Treatment
- Substance Abuse
- Anaphylaxis and Allergic Reactions

NOTE: Each student must successfully complete:

- Course in Cardiopulmonary Resuscitation (CPR) i.e., heart saver or other four-hour equivalent
- Practical examinations which includes forearm, lower leg, backboard

RECOMMENDED REFERENCE/STUDY MATERIALS:

- BCME Requirements (No Charge)

The above mentioned study materials are available at the Department of Mines, Minerals and Energy's Big Stone Gap Office, Customer Assistance Center (276) 523-8233 and Lebanon Field Office (276) 415-9650.

***4 hours Advanced First Aid continuing education annually will update this certification.**

***Contact Mountain Empire Community College (MECC) 276-523-2400 for class information.**

NOTE: A current EMT or First Responder Card issued by Virginia Emergency Medical Services (EMS) may be submitted in lieu of Advanced First Aid continuing education.